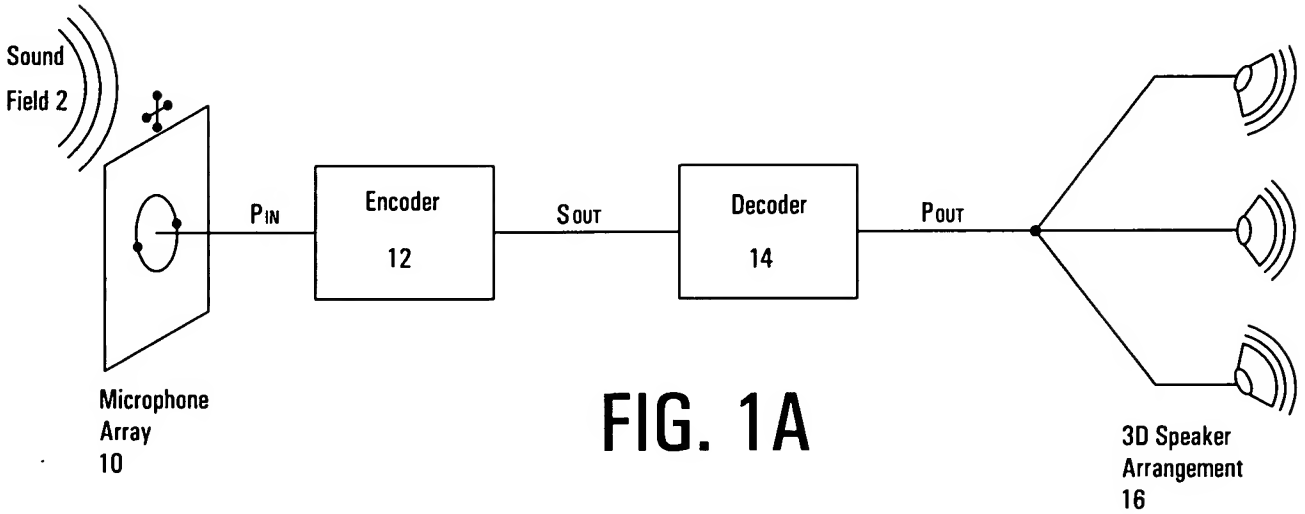

FIG. 1A

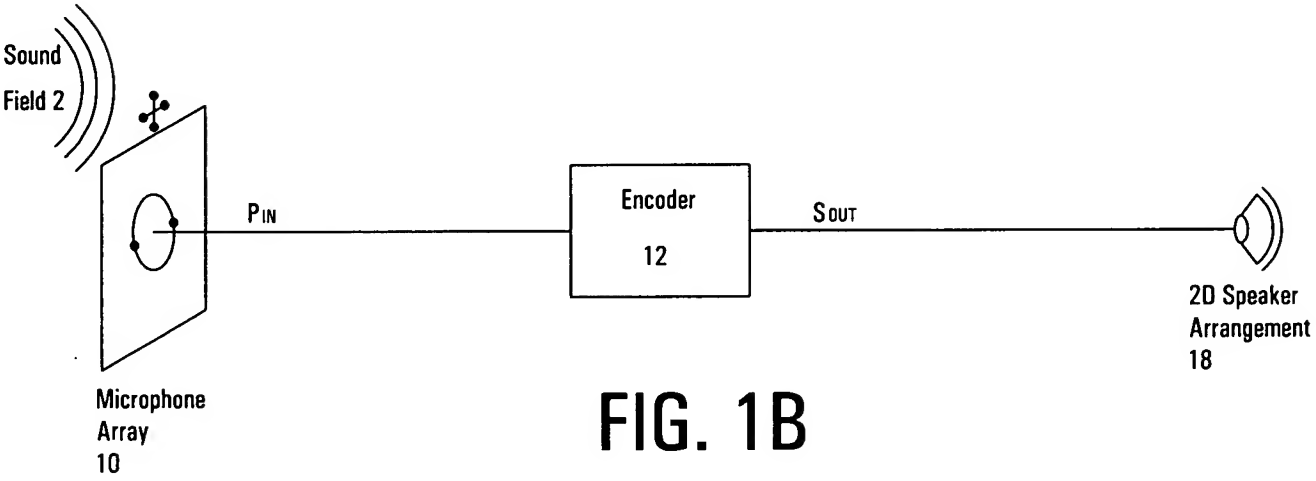

FIG. 1B

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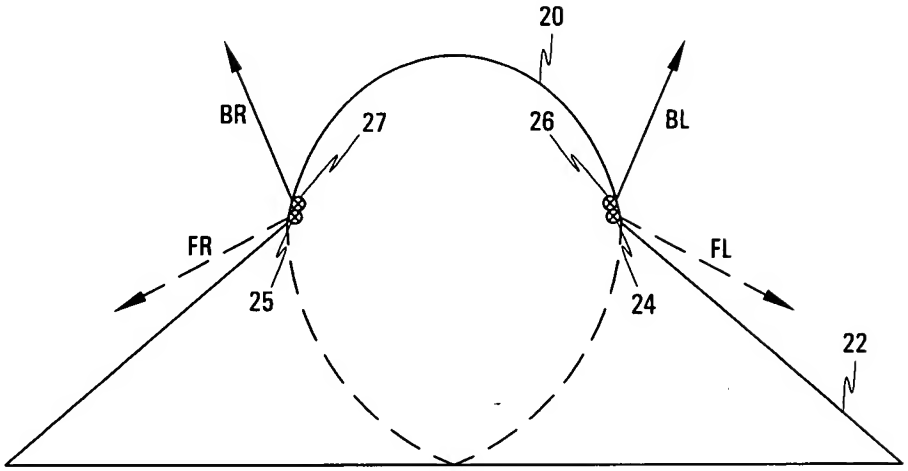

FIG. 2A

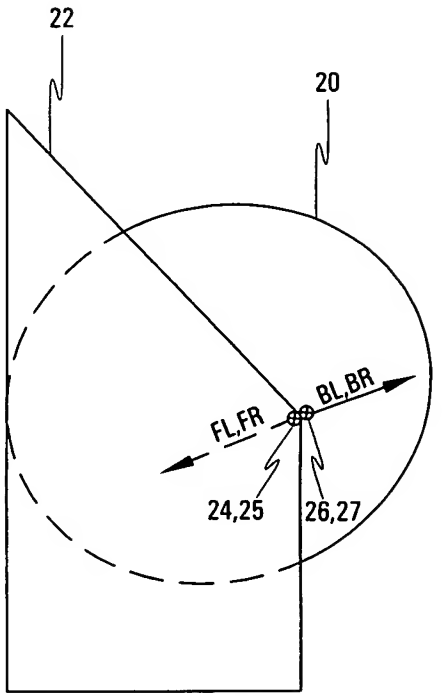

FIG. 2C

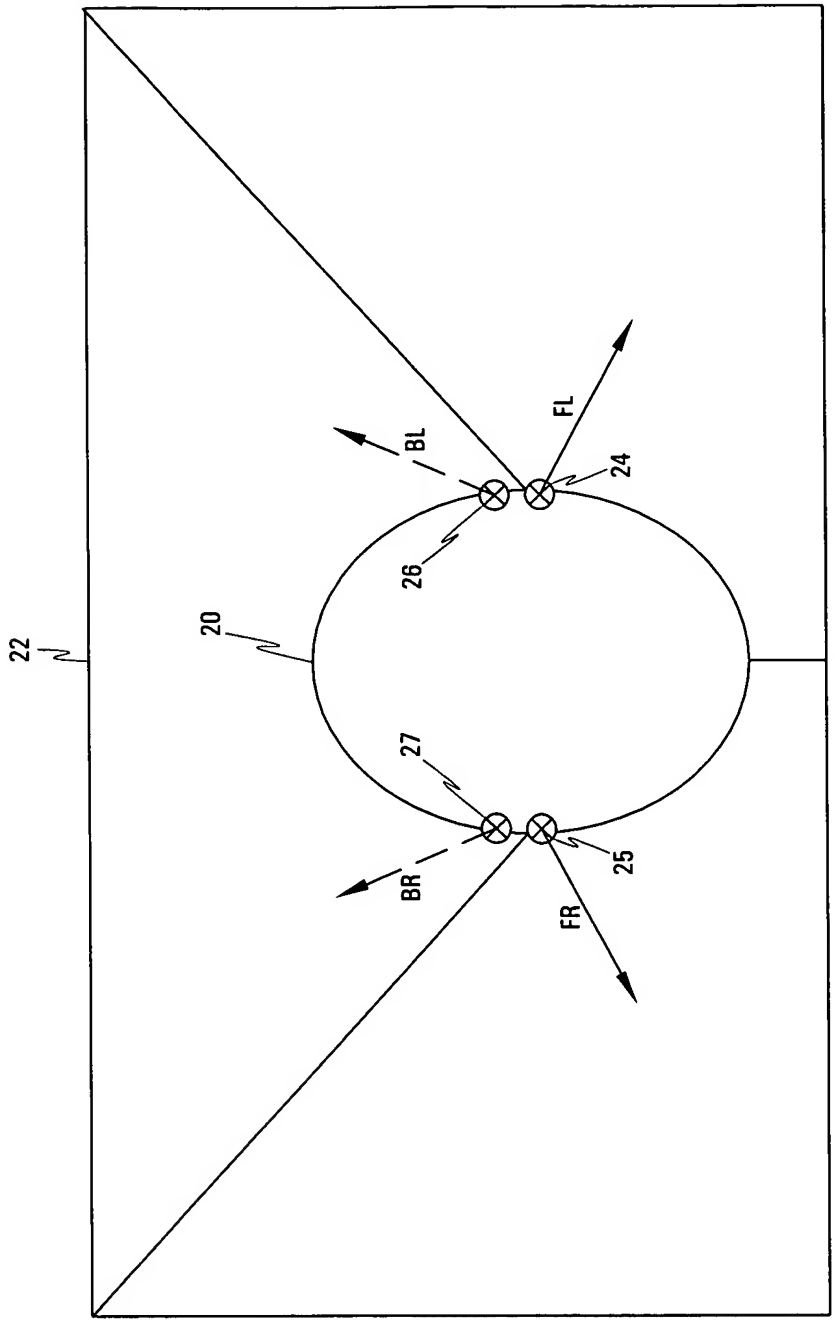

FIG. 2B

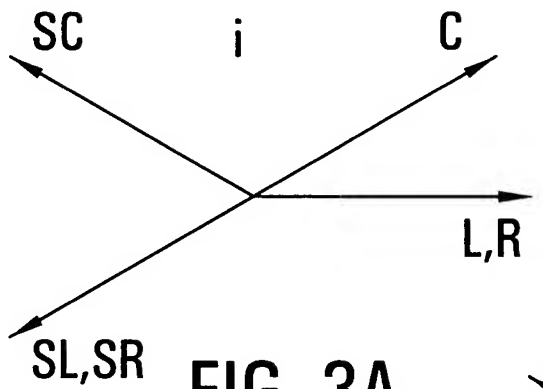

FIG. 3A

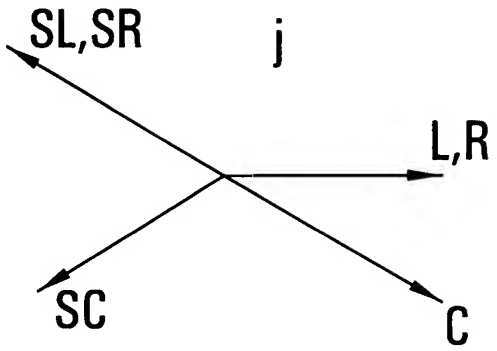

FIG. 3B

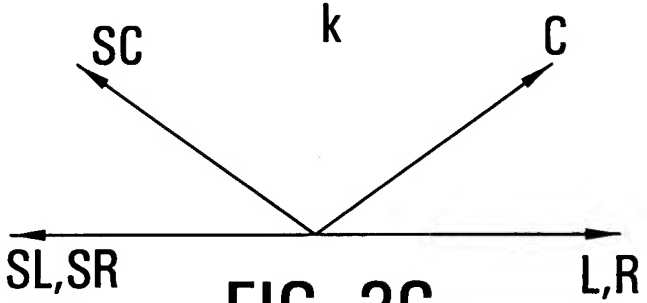

FIG. 3C

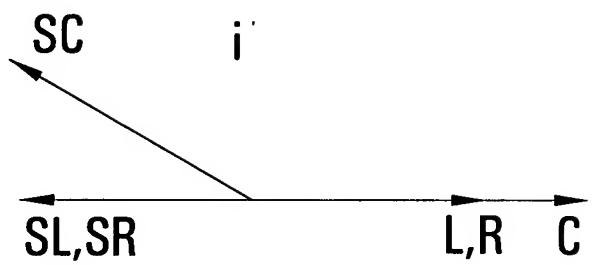

FIG. 3D

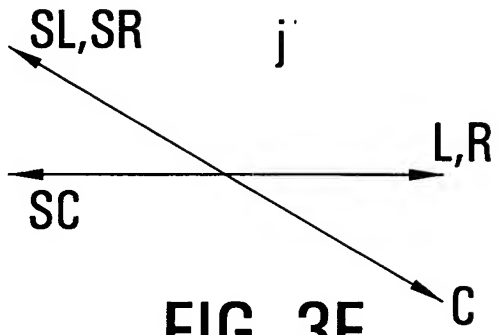

FIG. 3E

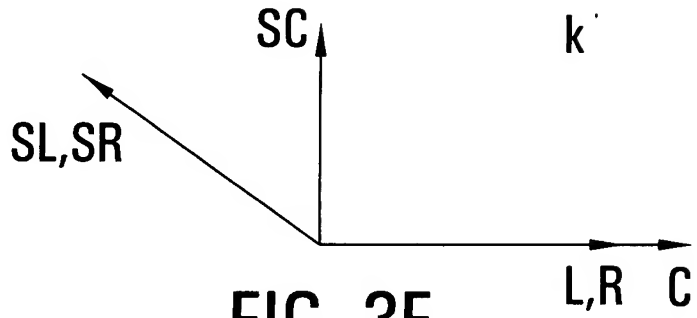

FIG. 3F

FIG 4A

Mode "I" (inclined)							4x4 coefs x 0.8500
°Up°	{Si} \	{Pin}: FL	FR	W	X	Y	Z
0	{Sout}: L	0.850	0.000				
0	R	0.000	0.850				
30	C			0.601	0.736	0	0.425
30	SC			0.601	-0.736	0	0.425
-30	SL			0.601	-0.368	0.638	-0.425
-30	SR			0.601	-0.368	-0.638	-0.425
min/max rec	Transformation {S} 4x4 or 6x6			W=0.707W	cosAcosE	sinAcosE	sinE

FIG 4B

Mode "J" (juxtaposed I; descending C)							
°Up°	{Sj} \	{Pin}: FL	FR	W	X	Y	Z
0	{Sout}: L	0.850	0.000				
0	R	0.000	0.850				
-30	C			0.601	0.736	0	-0.425
-30	SC			0.601	-0.736	0	-0.425
30	SL			0.601	-0.368	0.638	0.425
30	SR			0.601	-0.368	-0.638	0.425
min/max rec	Transformation {S} 4x4 or 6x6			W=0.707W	cosAcosE	sinAcosE	sinE

FIG 4C

Mode "k" (on it's back)							
°Up°	{Sk} \	{Pin}: FL	FR	W	X	Y	Z
0	{Sout}: L	0.850	0.000				
0	R	0.000	0.850				
30	C			0.601	0.736	0	0.425
60	SC			0.601	-0.425	0	0.736
0	SL			0.601	-0.425	0.736	0.000
0	SR			0.601	-0.425	-0.736	0.000
min/max rec	Transformation {S} 4x4 or 6x6			W=0.707W	cosAcosE	sinAcosE	sinE

FIG 4D

Mode *i* high tilted

°Up*	{Si'} \ {Sout}:	{Pin}: FL	FR	W	X	Y	Z
-30	L	0.850	0.000				
-30	R	0.000	0.850				
0	C			0.601	0.850	0	0.000
60	SC			0.601	-0.425	0	0.736
0	SL			0.601	-0.531	0.638	-0.184
0	SR			0.601	-0.531	-0.638	-0.184
min/max rec	Transformation {S'} 4x4 or 6x6			W=0.707W	cosAcosE	sinAcosE	sinE

FIG 4E

Mode *j* high tilted

°Up*	{Sj'} \ {Sout}:	{Pin}: FL	FR	W	X	Y	Z
-30	L	0.850	0.000				
-30	R	0.000	0.850				
-60	C			0.601	0.425	0	-0.736
0	SC			0.601	-0.850	0	0.000
60	SL			0.601	-0.106	0.638	0.552
60	SR			0.601	-0.106	-0.638	0.552
min/max rec	Transformation {S'} 4x4 or 6x6			W=0.707W	cosAcosE	sinAcosE	sinE

FIG 4F

Mode *k* high tilted

°Up*	{Sk'} \ {Sout}:	{Pin}: FL	FR	W	X	Y	Z
-30	L	0.850	0.000				
-30	R	0.000	0.850				
0	C			0.601	0.850	0	0.000
90	SC			0.601	0.000	0	0.850
30	SL			0.601	-0.368	0.736	0.213
30	SR			0.601	-0.368	-0.736	0.213
min/max rec	Transformation {S'} 4x4 or 6x6			W=0.707W	cosAcosE	sinAcosE	sinE

FIG 5A

--ITU 6.1-to-PerAmbio reconstitution--> *{B} noise degradation dB* 1.41

{Pi} \ {Sout}:	L	R	C	SC	SL	SR	{Pout}
{Pout}: FL	1.176	0.000					1.00
FR	0.000	1.176					1.00
W			0.624	0.208	0.416	0.416	0.71
X			0.679	-0.679	0.000	0.000	0.50
Y			0	0	0.784	-0.784	0.50
Z			0.294	0.882	-0.588	-0.588	0.50
Reconstitute {P}		min/max	-0.784	1.176	{Pout}-{Pin}= 0		{P}x{Sout}

FIG 5B

--ITU 6.1-to-PerAmbio reconstitution--> *{B} noise degradation dB* 1.41

{Pj} \ {Sout}:	L	R	C	SC	SL	SR	{Pout}
{Pout}: FL	1.176	0.000					1.00
FR	0.000	1.176					1.00
W			0.624	0.208	0.416	0.416	0.71
X			0.679	-0.679	0.000	0.000	0.50
Y			0	0	0.784	-0.784	0.50
Z			-0.294	-0.882	0.588	0.588	0.50
Reconstitute {P}		min/max	-0.882	1.176	{Pout}-{Pin}= 0		{P}x{Sout}

FIG 5C

--ITU 6.1-to-PerAmbio reconstitution--> *{B} noise degradation dB* 2.66

{Pk} \ {Sout}:	L	R	C	SC	SL	SR	{Pout}
{Pout}: FL	1.176	0.000					
FR	0.000	1.176					
W			0.609	-0.352	0.703	0.703	0.71
X			0.861	-0.497	-0.182	-0.182	0.50
Y			0	0	0.679	-0.679	0.50
Z			0.000	1.358	-0.679	-0.679	0.50
Reconstitute {P}		min/max	-0.679	1.358	{Pout}-{Pin}= 0		{P}x{Sout}

FIG 5D

--ITU 6.1-to-PerAmbio reconstitution--> *{B} noise degradation dB* 1.41

{Pi} \	{Sout}: L	R	C	SC	SL	SR	{Pout}
[Pout]: FL	1.176	0.000					1.00
FR	0.000	1.176					1.00
W			0.624	0.208	0.416	0.416	0.71
X			0.735	-0.147	-0.294	-0.294	0.50
Y			0	0	0.784	-0.784	0.50
Z			-0.085	1.104	-0.509	-0.509	0.50
Reconstitute {P}		min/max	-0.784	1.176	{Pout}-{Pin}= 0		{P}x{Sout}

FIG 5E

--ITU 6.1-to-PerAmbio reconstitution--> *{B} noise degradation dB* 1.41

{Pj} \	{Sout}: L	R	C	SC	SL	SR	{Pout}
[Pout]: FL	1.176	0.000					1.00
FR	0.000	1.176					1.00
W			0.624	0.208	0.416	0.416	0.71
X			0.441	-1.029	0.294	0.294	0.50
Y			0	0	0.784	-0.784	0.50
Z			-0.594	-0.425	0.509	0.509	0.50
Reconstitute {P}		min/max	-1.029	1.176	{Pout}-{Pin}= 0		{P}x{Sout}

FIG 5F

--ITU 6.1-to-PerAmbio reconstitution--> *{B} noise degradation dB* 3.08

{Pk} \	{Sout}: L	R	C	SC	SL	SR	{Pout}
[Pout]: FL	1.176	0.000					1.00
FR	0.000	1.176					1.00
W			0.609	-0.352	0.703	0.703	0.71
X			0.746	0.249	-0.497	-0.497	0.50
Y			0	0	0.679	-0.679	0.50
Z			-0.431	1.425	-0.497	-0.497	0.50
Reconstitute {P}		min/max	-0.679	1.425	{Pout}-{Pin}= 0		{P}x{Sout}

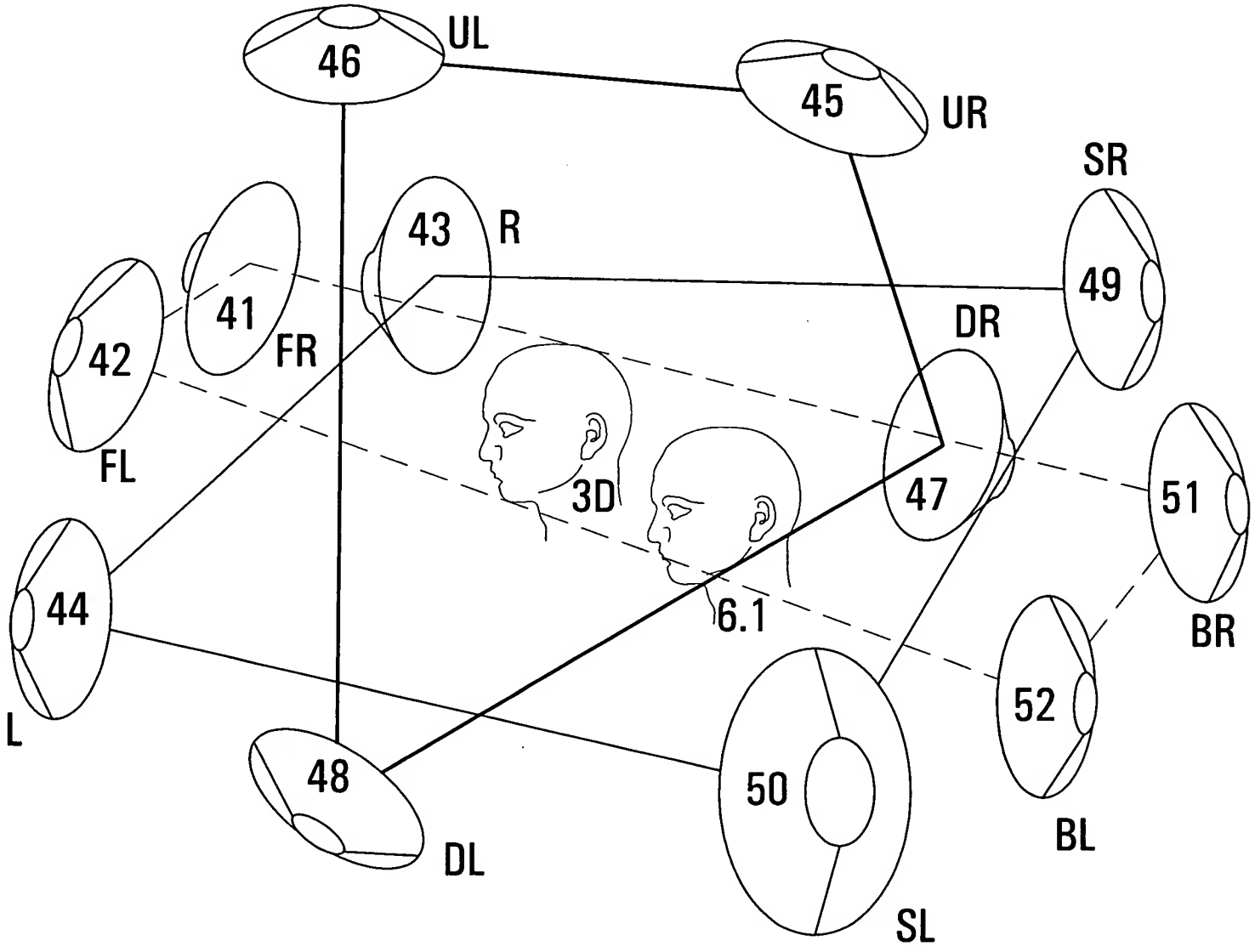
46
UL
45
UR
SR
43
R
49
41
FR
42
DR
FL
3D
47
51
44
6.1
BR
52
L
48
50
BL
DL
SL

FIG.6